JIRA

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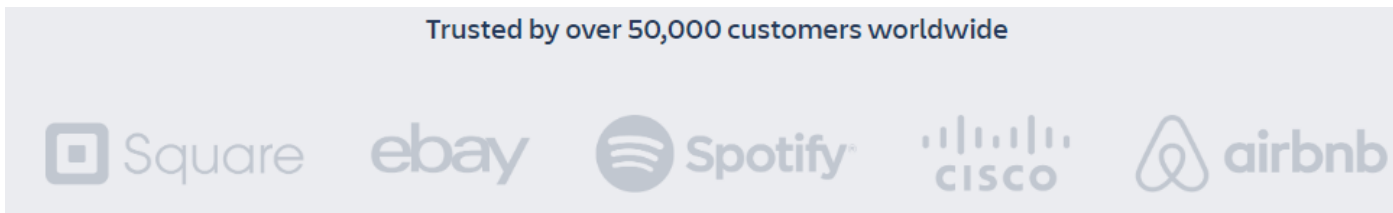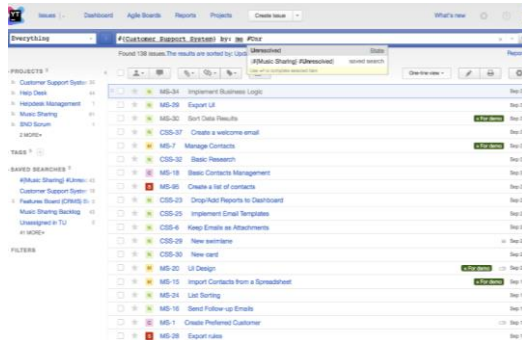# ABOUT JIRA

➢ **Tool for managing projects**

- ▪ Agile software development and monitoring
- ▪ Supports Scrum (PM method)
- ▪ No freeware, pricelist:

	10 users	15 users	25 users	50 users	100 users	500 users	2,000 users
☁ Cloud / 🖥 Server	$10/mo	$50/mo	$100/mo	$200/mo	$300/mo	$500/mo	$1,000/mo

	10 users	25 users	50 users	100 users	250 users	500 users	2000 users	10,000 users	10,000+ users
☁ Cloud / 🖥 Server	$10 Starter	$1,200	$2,200	$4,000	$8,000	$12,000	$16,000	$20,000	$24,000

- ▪ Some clients:

Trusted by over 50,000 customers worldwide

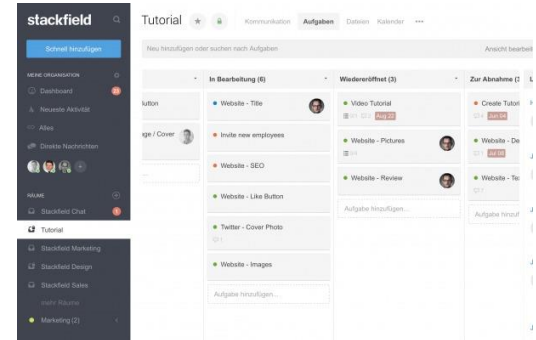Square   ebay   Spotify   cisco   airbnb

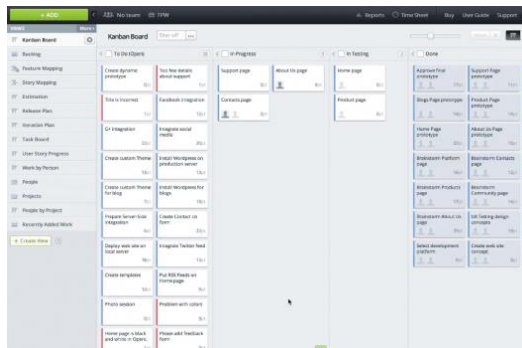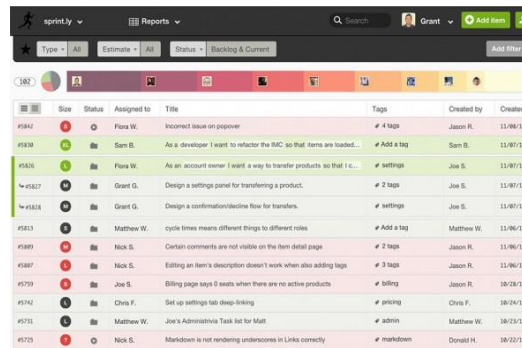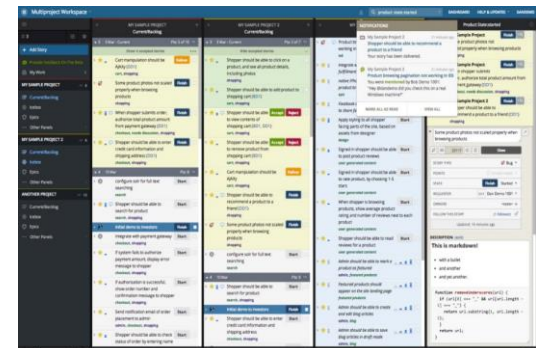# ALTERNATIVES

1. YouTrack
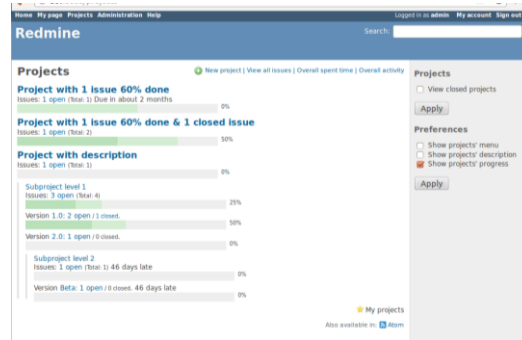
2. Redmine

3. Stackfield

4. Target Process

5. Sprintly

6. Pivotal Tracker

ADVANTAGES

- Amount of rules reduced to a minimum
- Time required for administration reduced to a minimum
- Easy to understand
- Flexible planning
- Transparent execution
- Drag & Drop system
- Very fast adding/ editing/ tracking and deleting issues
- Lot of tutorials available
- Large and helpful documentation
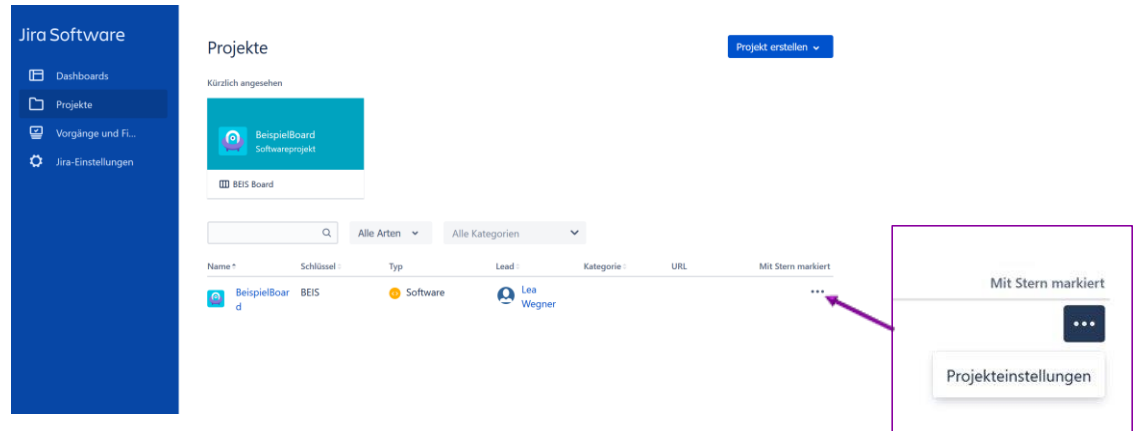- Helpful shortcuts (e.g. i → assign to me, c → create an issue)
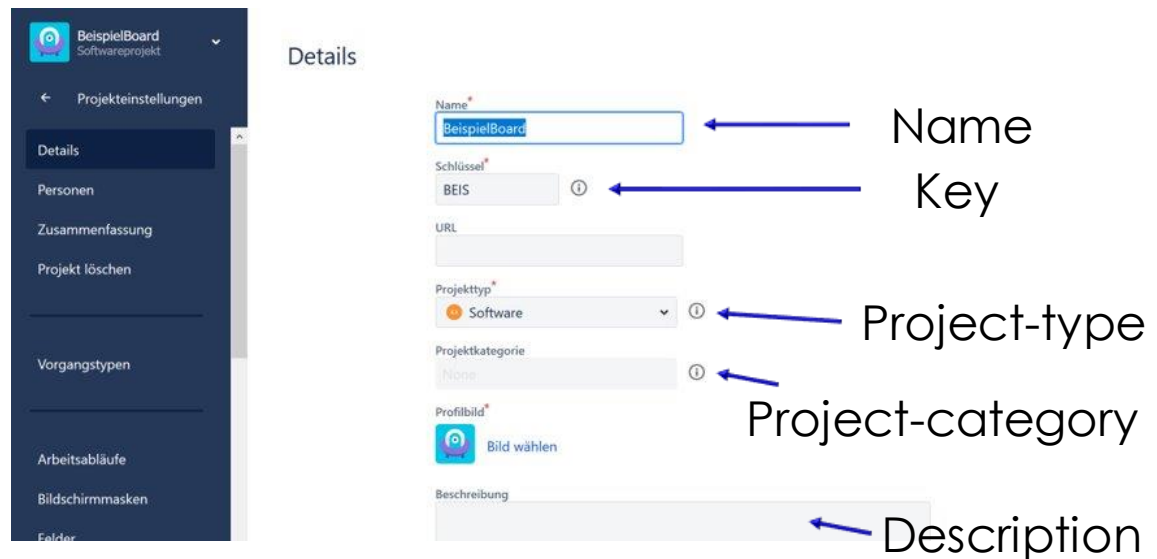
➢ Reduce time

BASICS

- Project: including boards
- Board: shows issues
- Issue: mostly a "user-story" with some subtasks
- Epic: a big "user-story"
- Sprints: period in which a milestone is getting completed
- Workflow: graphical representation of the process

BASIC SETTINGS

1. Open the project overview:

2. Open settings:

Name

Key

Project-type

Project-category

Description

CREATE BOARD

Opend board

Searching boards

Show all existing boards

Create a new board

CHOOSE BETWEEN „SCRUM" AND „KANBAN"

Kanban

Arbeiten für agile Teams regelmäßig im Blick behalten. Für Teams, die Arbeitsvolumen von einem Backlog aus steuern.

Was ist hierin enthalten?   Auswählen

Scrum

Storys, Aufgaben und Workflows für ein Scrum-Team verwalten. Für Teams, die nach einem regelmäßigen Plan arbeiten.
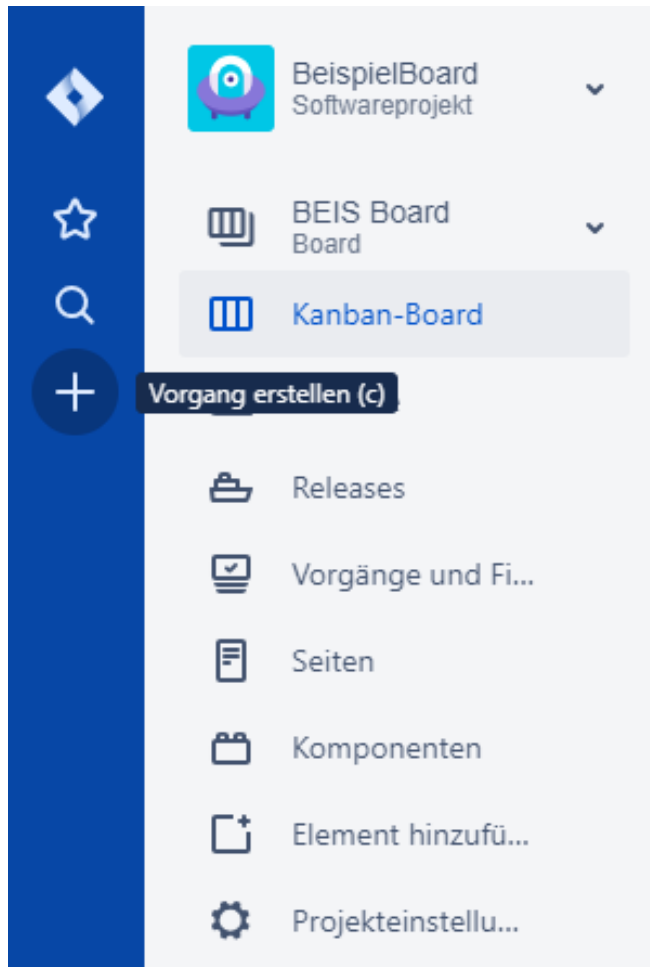
Was ist hierin enthalten?   Auswählen

Kanban: more workflow visualisation, useful when making changes to an existing project

Scrum: for software engineering with sprints

CREATE ISSUE

Choose between those process types:

- **Epic**: Task type for a large user story that needs to be split.
- **Story**: A task that needs to be done.
- **Task**: Task type for a user story.
- **Bug:** for solving problems

ISSUE INFORMATION

Priorities:

- This problem will block progress.

- Serious problem that could block progress

- Has the potential to affect progress.

- Minor problem or easily worked around.

- Trivial problem with little or no impact on progress.

↑ Highest

↑ High

↑ Medium

↓ Low

↓ Lowest

OFFEN

IN ARBEIT

ERNEUT GEÖFFNET

ERLEDIGT

GESCHLOSSEN

BUILDING

BUILD BROKEN

AUFGABEN

FERTIG

BACKLOG

SELECTED FOR DEVE...

Process status:

- **Building**: Source code has been committed, and JIRA is waiting for the code to be built before moving to the next status.

- **Build Broken**: The source code committed for this issue has possibly broken the build.

CREATE EPIC

- an Epic contains a larger amount of work
- the amount of work is larger than a single use-case
- an Epic may include several use-cases / stories

CREATE STORY

→ *Within the Epic, it is now needed to define the stories*

Story:

- contains a number of tasks that fit together
- often Use Cases as Stories

CREATE SUBTASKS

Subtasks to a Story:

- Tasks that should be atomic (not meant to be divided into subtasks themselves)

Creating subtasks in story:

- Create tool interface
- Create logic
- Connect interface with logic
- Expand database stats
- Connect to database
- Testing tool

CREATE BUG

→ if something does not work as it should you can create a Bug

SPRINT

- Short period of time, ideally 2-4 weeks
- Contains an amount of tasks that are meant to be completed until the Sprint's deadline
- Easy coordination of the team
- The project's progress can easily be supervised

How to create it

1. Create a new board
2. Choose scrum
3. Open Backlog
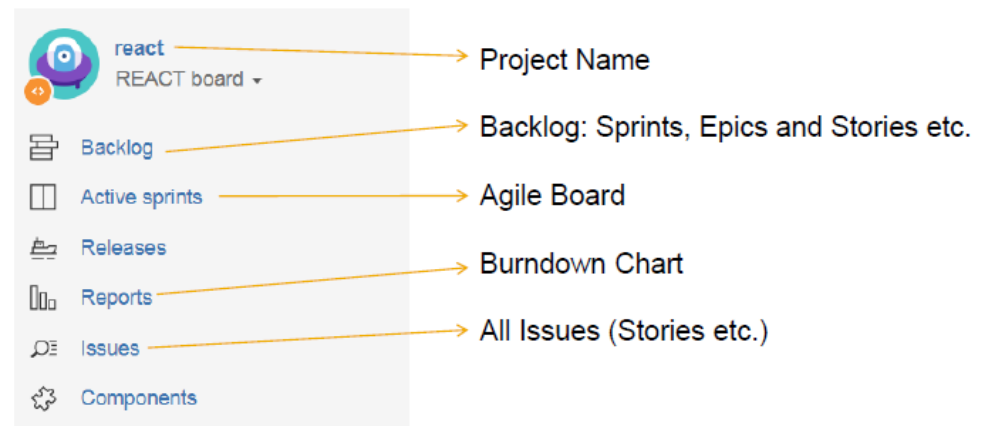
WORK WITH A SPRINT
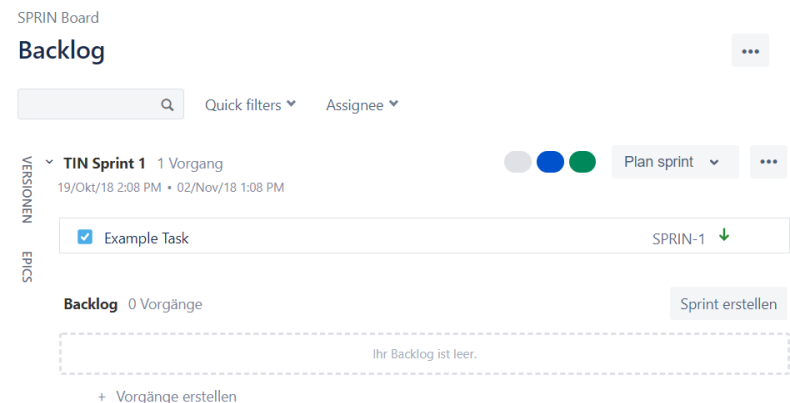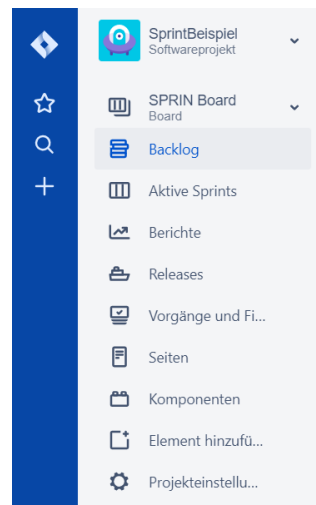
Backlog

- Overview of "Features"

- Contains: User Stories and Epics (also contains Stories)

- Sprint management

Create an Issue

- Summary

- Description

- Reporter

- Tags

- Estimation

Some Fields might be hidden → *click on* **Configure Fields**

SPRINT SETTINGS

1. Start a Sprint

2. Set the time

→*automatically calculated workdays are shown*
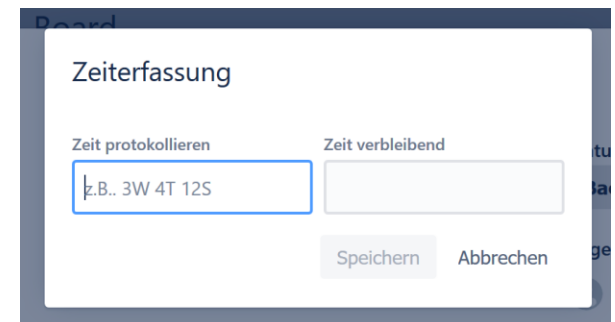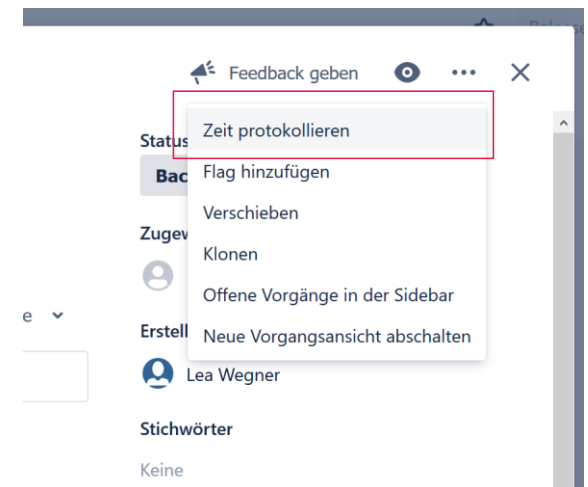
Active Sprints:

LOG WORK

- "Remaining" shows the remaining time for this issue, not lower than 0h

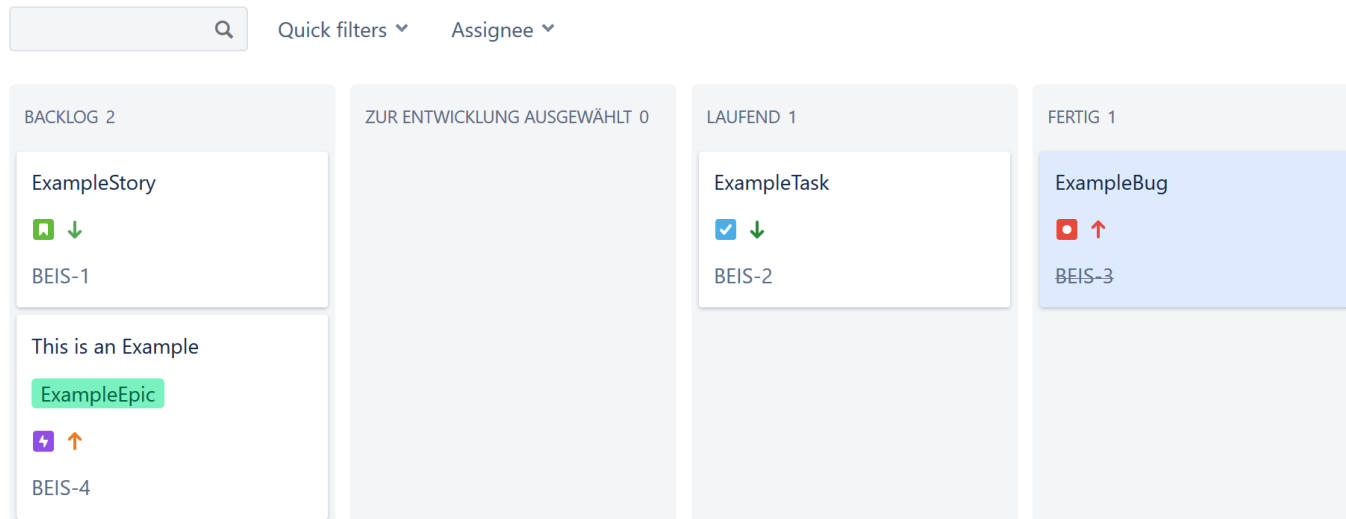- (Estimated time – Logged time = Remaining time)

How?

- You can either log work at the 3 dots → log work

- or change estimation in the board configuration

COMPLETE A ISSUE

- complete a task by dragging and dropping it into "Done" section
- If all tasks of a Story are being completed, JIRA will ask you automatically to resolve the parent issue as well

SCRUM TOOLS: BURNDOWN CHART

- Click on Reports

- This Page displays the Burndown Chart for the current Sprint

- Requires: **Story Estimation** and the **Original Time Estimation**
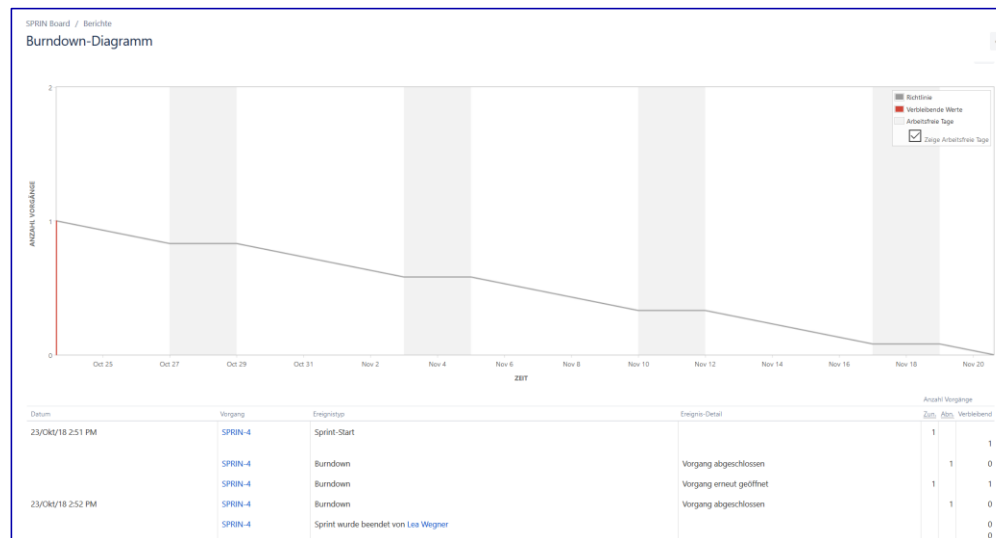
USERS

- Overview of users for this project

Personen

Personen hinzufügen

Name ↕	E-Mail ↕	Rolle	
🧑 Lea Wegner	wegner.lea@student.dhbw-karlsruhe.de	Administrators ⌄	Entfer...
🧑 Natalie Busam	busam.natalie@student.dhbw-karlsruhe.de	Administrators ⌄	Entfer...

- add new user

Personen hinzufügen

Geben Sie einen Namen, eine Gruppe oder eine E-Mail-Adresse ein. 🔍

Rolle

Rolle wählen ⌄

Hinzufügen   Abbrechen

PROJECT LEADER

- Choose the project leader

- Choose if he should be assigned automatically when creating issues (as default)

OTHER FEATURES

- Connect with GitHub
- Connect with Android Studio

CONNECT WITH GITHUB

More informations:
https://confluence.atlassian.com/adminjiracloud/connect-jira-cloud-to-github-814188429.html

CONNECT WITH ANDROID STUDIO

1. Open a project in Android Studio

2. Go to Configure Servers… (Tools → Tools & Context)

3. Add a new server connection, choose Jira

4. Fill in your server URL, username and password

5. Test the connection

→ *More Information:*
https://josiassena.com/android-studio-jira-and-other-bug-tracking-tools/
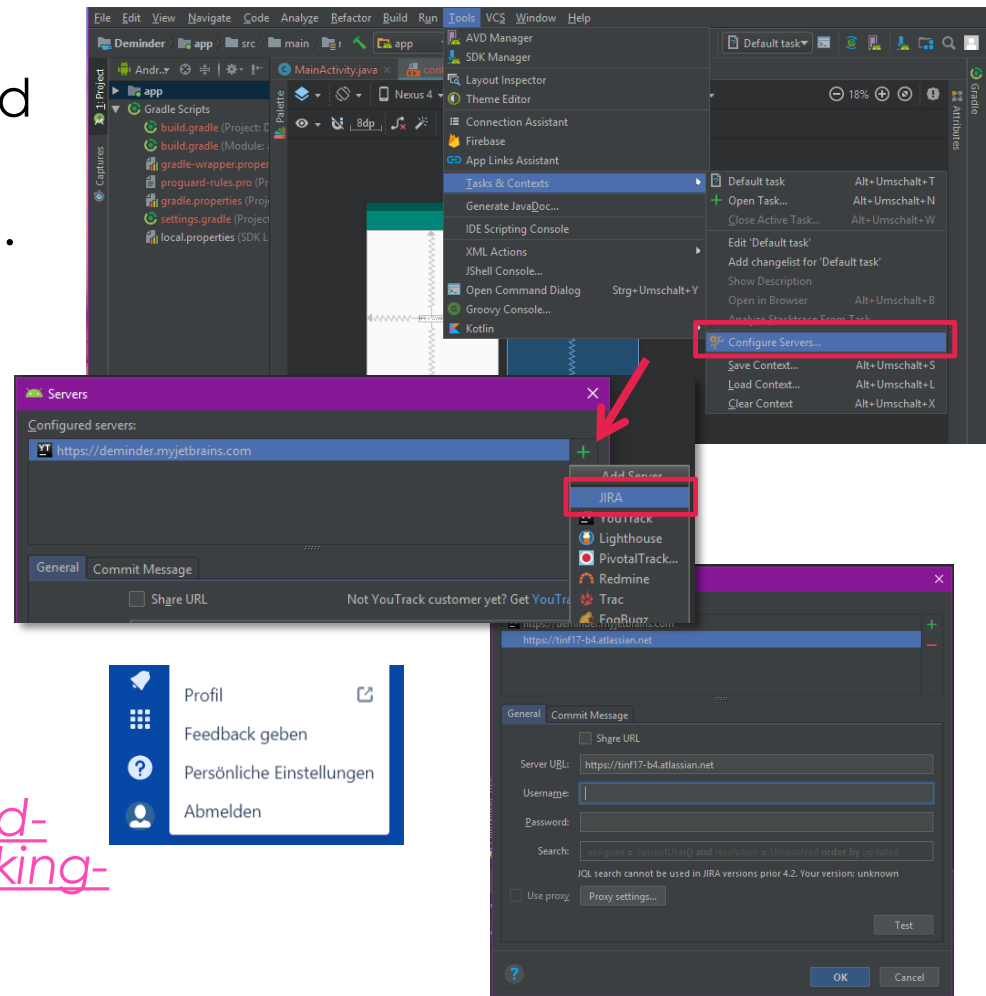
OUR CONCLUSION

Disadvantage
- JIRA has less functionalities then some alternatives
- requires license

Advantage
- it is user-friendly, less time is needed
- changes are possible, for example if a user logged his time wrong
- Shortcuts
- Modern design

THANK YOU FOR YOUR ATTENTION!